## **Network Geometry**

Issues

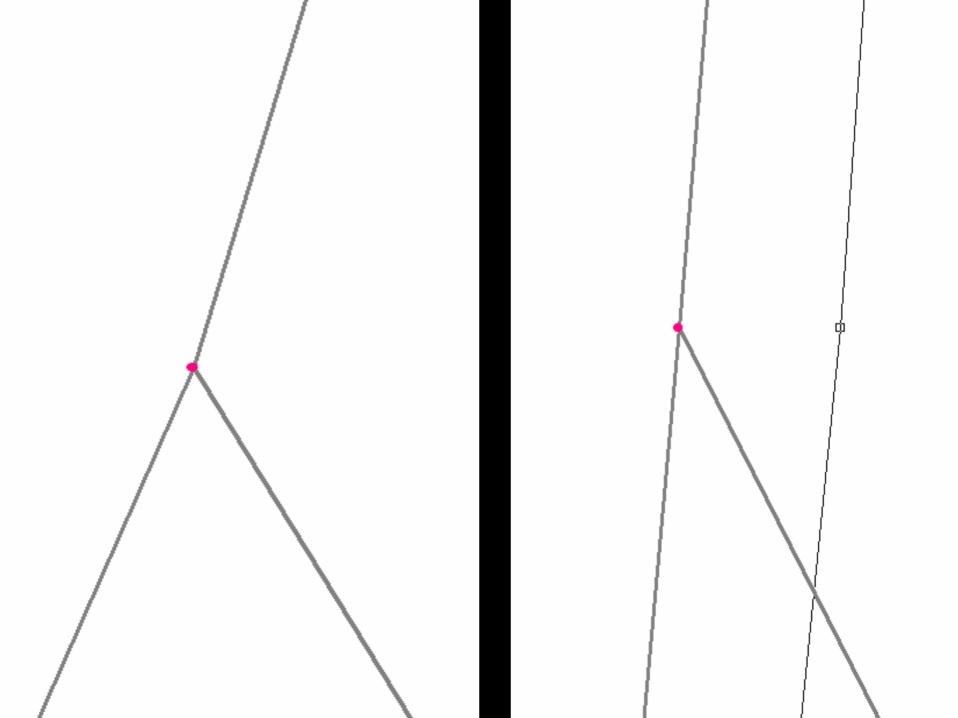
David Hamilton KYTC - Planning

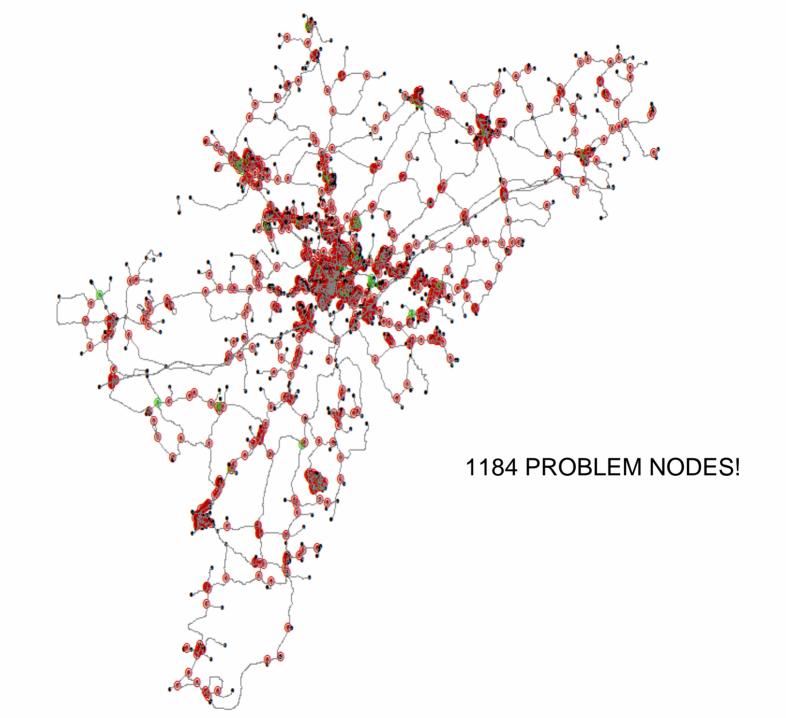
#### GIS NETWORK SHAPEFILE

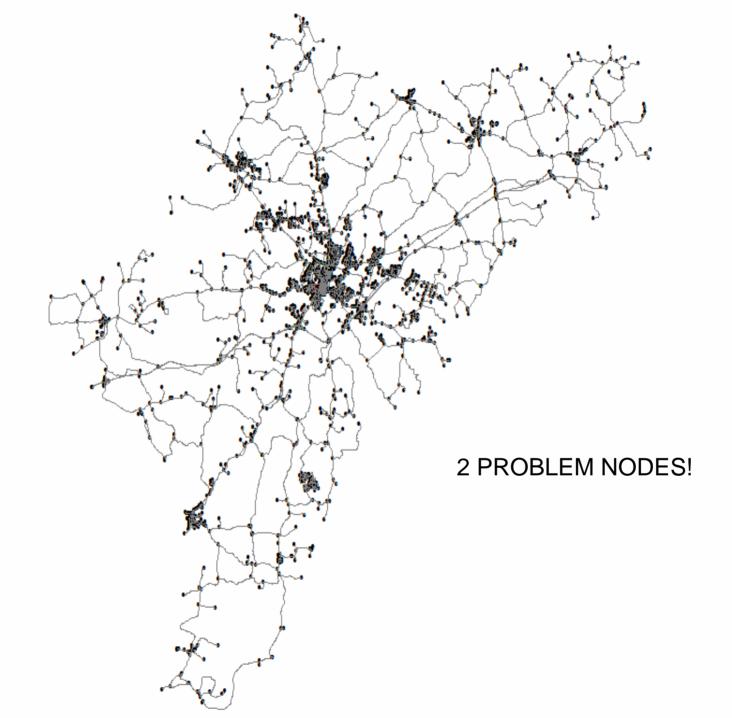
- EXOR Centerline File
- Combines Layers of Attributes in One Geometry File (Shapefile)
- Obtain From Division of Planning

## Connectivity

- After Converting to .dbd File, Check Line Layer Connectivity
- Threshold around .6 feet

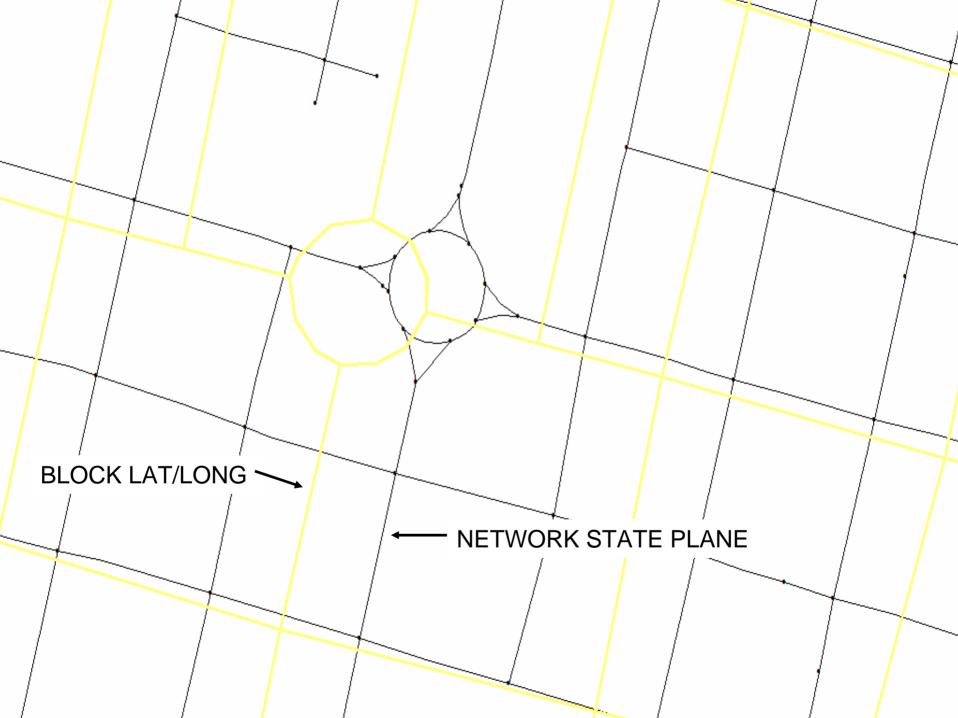






### **Projection**

- CCBlock and CCTAZ in Lat/Long
- Network in State Plane (1983 Kentucky 1600)
- Which One Should We Use?





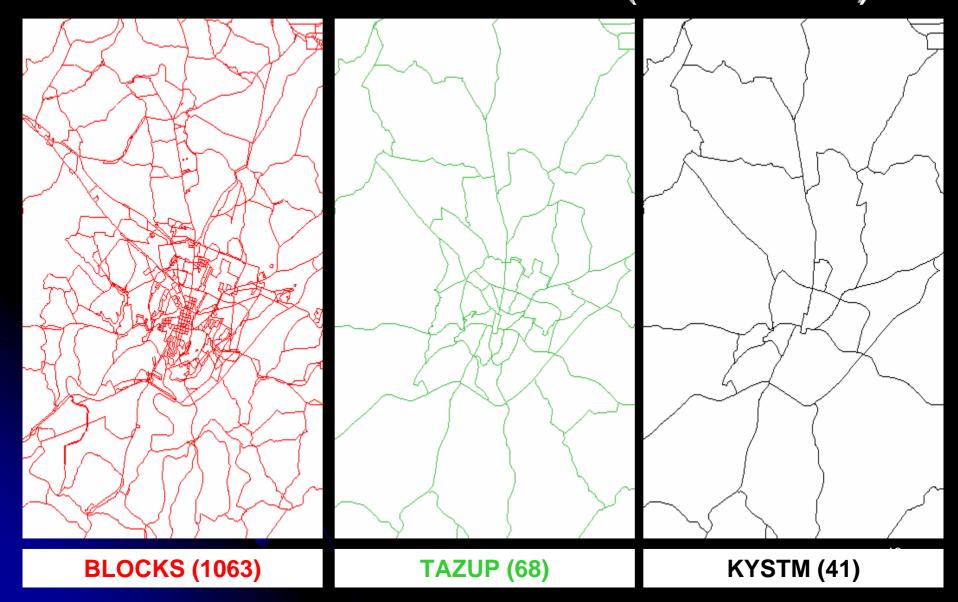
#### TOPOLOGY

- GIS Extract Makes Every Link 2-Way (0 Dir)
- Ramps are Supposed to be Orientated in Correct Direction
- No Attribute Classifying Link as One-Way

#### LEVEL OF DETAIL

- How Much of the Network Should be Used in the Model?
- Should There Only Be One Centroid Connector per Zone?
- How Do We Incorporate Signals?
- How Many TAZs?

# NUMBER OF ZONES (NELSON)



#### MR SID

- http://ogi.ky.gov/data/doi.htm (GIS Website)
- 2001/2002 Aerial Photos
- Is There a Better Source?

#### MILEPOINT PROBLEMS

- Splitting a Link For Centroid Connectors, Connectivity, etc.
- What Do You All Do?

#### **ISSUES RECAP**

- Connectivity
- Projection
- Topology
- Level of Detail
- Mr SID
- Milepoints